JAN - JUL 2022

SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY

AAWAAZZ
EDITION 10

MISSION

MI: Creating excellence in Computer Science & Engineering through academic professionalism for the changing needs of society.
M2: Establishing a center of excellence for research and for technical development in the area of Computer Science & Engineering.
M3: Developing communication skills, teamwork, and leadership qualities for continuing education among the students, through project-based and team-based learning.
M4: Inculcating ethics and human values for sustainable societal growth and environmental protection.
M5: Empowering students for employability, aspiring higher studies, and becoming entrepreneurs.

PROGRAM EDUCATIONAL OBJECTIVES

PEO 1. Apply computer science theory blended with mathematics and engineering to model computing systems.
PEO 2. Nurture a strong understanding of logical, computing, and analytical reasoning among students coupled with a problem-solving attitude that prepares them to productively engage in research and higher learning.
PEO 3. Communicate effectively with team members, engage in applying technologies, and lead teams in the industry.
PEO 4. Engage in lifelong learning, and career enhancement and adapt to changing professional and societal needs.

VISION:

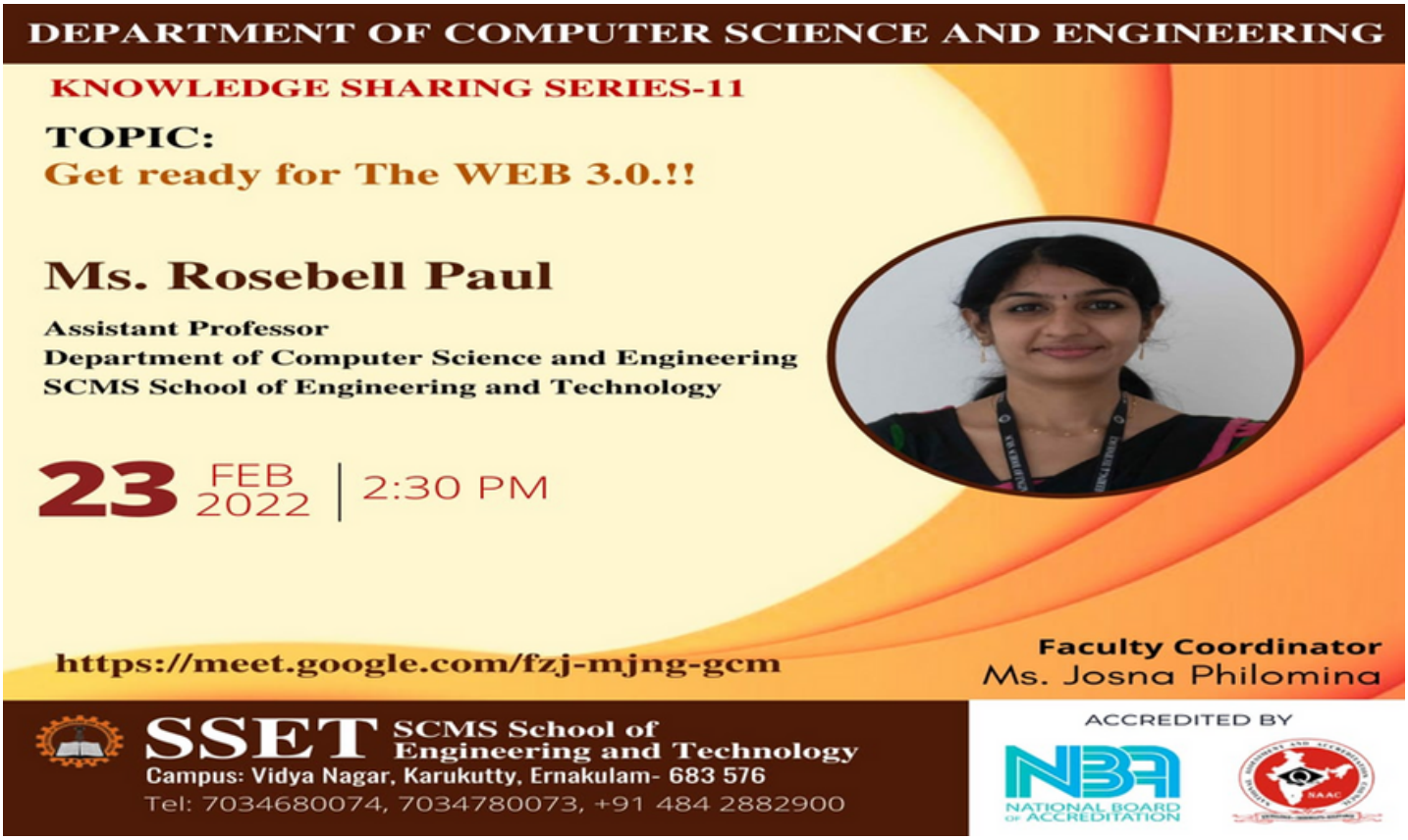
To achieve academic excellence in creating globally competent professionals and an ethically strong global workforce in the field of Computer Science & Engineering, facilitating research activities, and catering to the ever-changing industrial demands and societal needs.

FACULTY ACHIEVEMENTS

Dr.Varun G Menon delivered a KSP talk on “How to review a manuscript?” on 31st January 2022.

Dr.Varun G Menon got selected as the program committee member of the International Conference on Cloud Computing, Internet of Things, and Computer Applications (CICA2022) which will be held on April 22-24, 2022 in Luoyang, China.

Dr.Suja C Nair,Assistant professor CSE awarded her Doctoral Degree on 21st February ,2022 from CUSAT,Cochin University of Science and Technology.



Ms.Rosebell Paul, Assistant professor, CSE Delivered an online KSP session on “Get ready for the WEB 3.0” on 23 February,2:30 pm.

Mr.Serin V Simpsons, Assistant professor, CSE has been invited to the 11th International Conference on Cryptography and Information Security (CRYPIS 2022) as their Program Committee Member. CRYPIS 2022 will be held on July 23~24, 2022 in Toronto Canada.

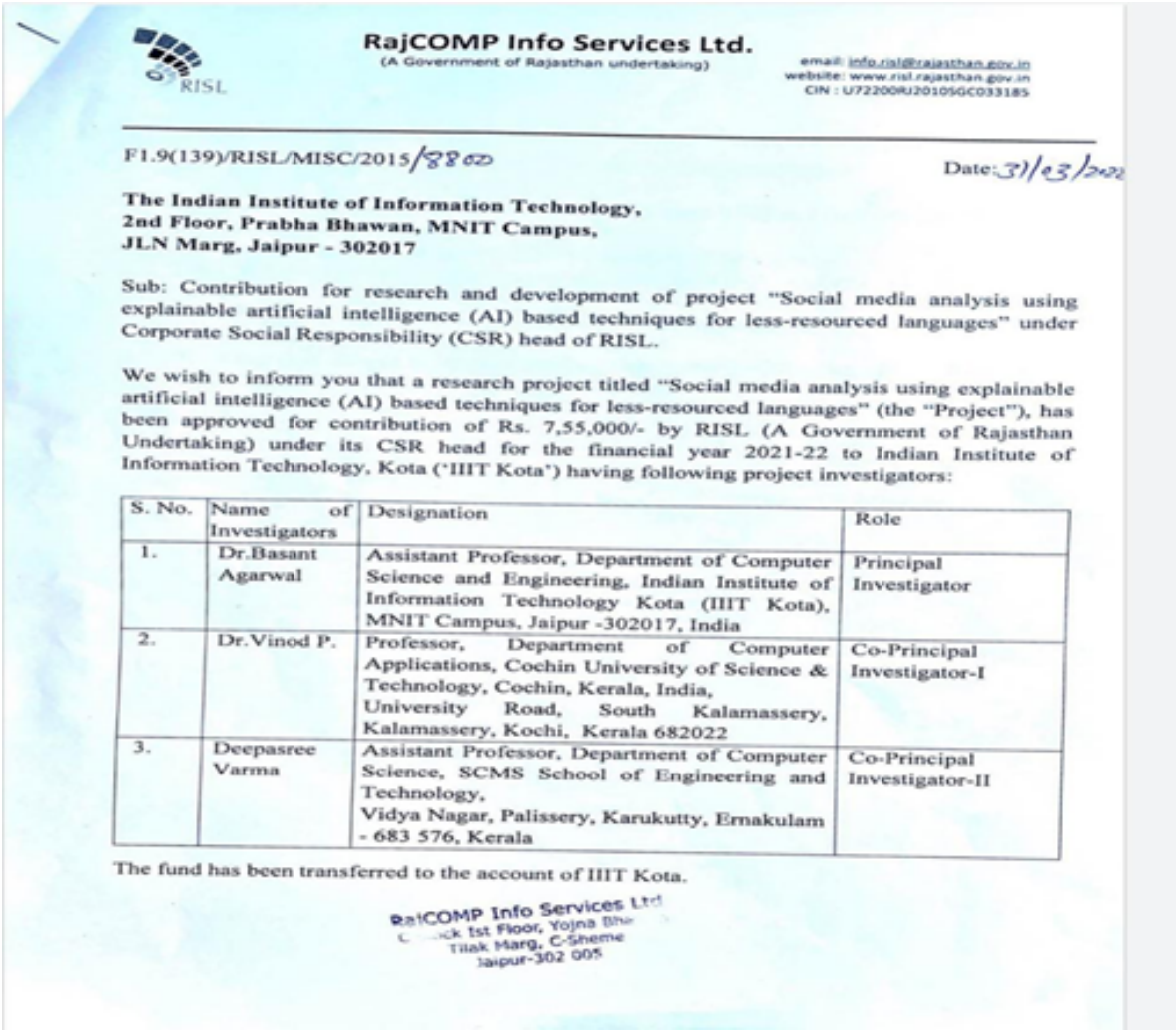
Ms.Sonal Ayyappan, Associate professor of CSE delivered a session on “Unfolding Tomorrow-Building world a better place to live” on 08/03/22 in the event ”WS12” organized by SCMS School of Architecture.

Student Project proposals from Dr. Anu and Ms. Rosebell titled Enhanced Blockchain-Based Cloud Forensics Architecture and An AI-Based Swarm Wheel for the system to detect Cracks in Railway Tracks have been shortlisted for final presentations by KTU.

9	Dr. Anu V R	Elvis Thomas Anandhakrishnan Amal Gautham Salim	Enhanced Blockchain Based Cloud Forensics Architecthure	SCMS School of Engeneering and Technology, Ernakulam	02.04.2022 11 AM - 11.20 AM
10	Dr. Rosebell Paul Assistant Professor	Mr.Neeraj M Mr.Neeraj Sagar Mr.Vaibhav Nair Mr.Yadukrishnan PS	An AI Based Swarm Wheel fot system to detect Cracks in Railway Tracks.	SCMS School of Engineering and Technology, Ernakulum, Karukutty	02.04.2022 11.20 AM - 11.40 AM

The Project team with Ms.Deepasree Varma Assistant Professor, CSE has received a funding approval of Rs.755000 by RISL for the project "Social media analysis using explainable Artificial Intelligence based Techniques for less-resourced languages' '.

RISL



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Date: 31/03/2022

The Indian Institute of Information Technology,
2nd Floor, Prabha Bhawan, MNIT Campus,
JLN Marg, Jaipur - 302017

Sub: Contribution for research and development of project "Social media analysis using explainable artificial intelligence (AI) based techniques for less-resourced languages" under Corporate Social Responsibility (CSR) head of RISL.

We wish to inform you that a research project titled "Social media analysis using explainable artificial intelligence (AI) based techniques for less-resourced languages" (the "Project"), has been approved for contribution of Rs. 7,55,000/- by RISL (A Government of Rajasthan Undertaking) under its CSR head for the financial year 2021-22 to Indian Institute of Information Technology, Kota ('IIIT Kota') having following project investigators:

S. No.	Name of Investigators	Designation	Role
1.	Dr.Basant Agarwal	Assistant Professor, Department of Computer Science and Engineering, Indian Institute of Information Technology Kota (IIIT Kota), MNIT Campus, Jaipur -302017, India	Principal Investigator
2.	Dr.Vinod P.	Professor, Department of Computer Applications, Cochin University of Science & Technology, Cochin, Kerala, India, University Road, South Kalamassery, Kalamassery, Kochi, Kerala 682022	Co-Principal Investigator-I
3.	Deepasree Varma	Assistant Professor, Department of Computer Science, SCMS School of Engineering and Technology, Vidya Nagar, Palissery, Karukutty, Ernakulam - 683 576, Kerala	Co-Principal Investigator-II

The fund has been transferred to the account of IIIT Kota.

RajCOMP Info Services Ltd
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Jaipur-302 005

Faculties of Department of CSE won the championship of "BADMINTON STAFF TOURNAMENT " organized by Department of Physical Education, SSET.

STUDENT ACHIEVEMENTS

Mr.Mohammed Yaseen of S7 CSE got selected as the General Secretary and Mr.Elvis Thomas of S7CS got selected as the sports secretary of the College Union.

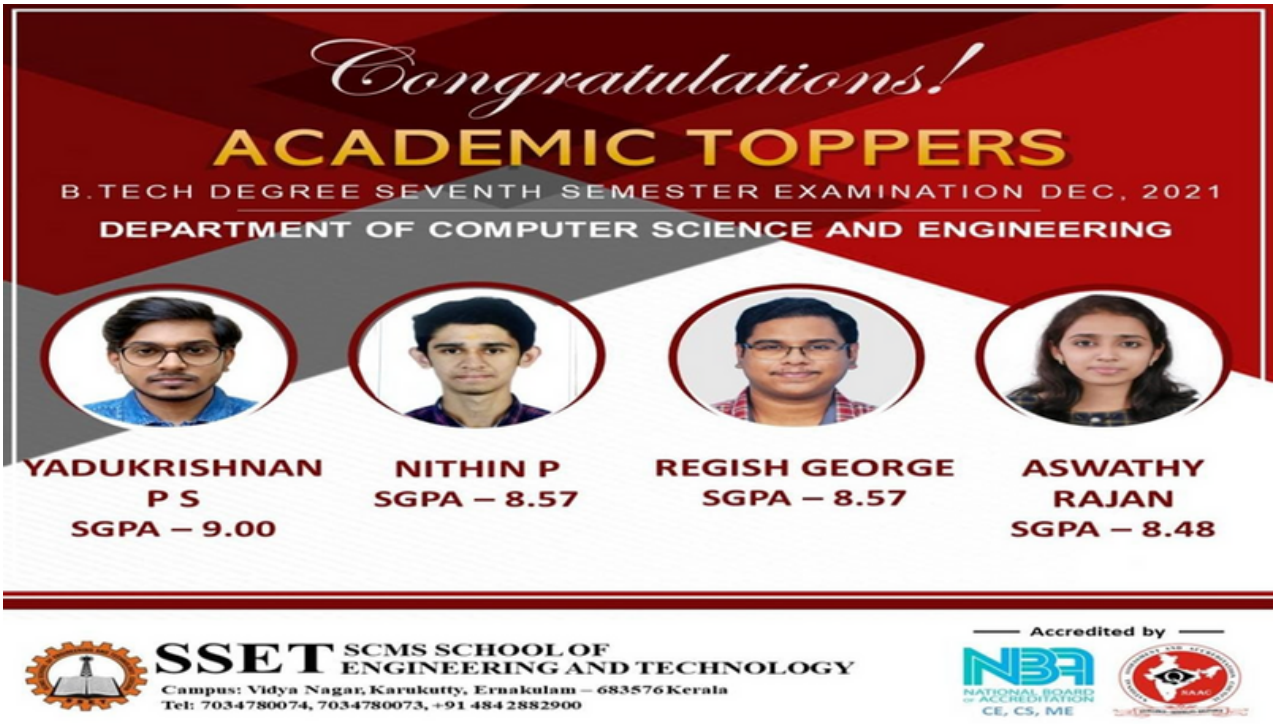
Ms.KS Kannaki Natsenet, a Student of S8CSE got placed in Travancore Analytics

The project proposal titled " A Swarm based AI aided Wheel Bot System to detect cracks in Railway tracks" has been approved for the financial assistance of Rs48260/- under the CERD Scheme of APJ Abdul Kalam University 2022. The student investigators are:

1) Mr. Neeraj M, S7 Semester, Computer Science and Engineering
2) Mr. Neeraj Sagar, S7 Semester, Computer Science and Engineering
3) Mr. Vaibhav Nair, S7 Semester, Computer Science and Engineering
4) Mr. Yadukrishnan P S, S7 Semester, Computer Science and Engineering

The Principal Investigator is Ms.Rosebell Paul, Assistant Professor, CSE, SCMS School of Engineering and Technology and the Co-Investigator is Prof. Dr.Varun G Menon, HOD, CSE, SCMS School of Engineering and Technology.

The primary objective of this project is to design and implement a railway track crack detection system through an interconnection of highly precise and mobile robots. The bot network achieves such an obstacle detection system through an intricate usage of ultrasonic sensors and high-resolution camera technology. The gravity of such a system becomes more significant as Indian Railway currently lacks efficient technologies to ensure safety. Contemporary accident prevention methods are highly prone to human error and can lead to a mishap of unprecedented proportions.



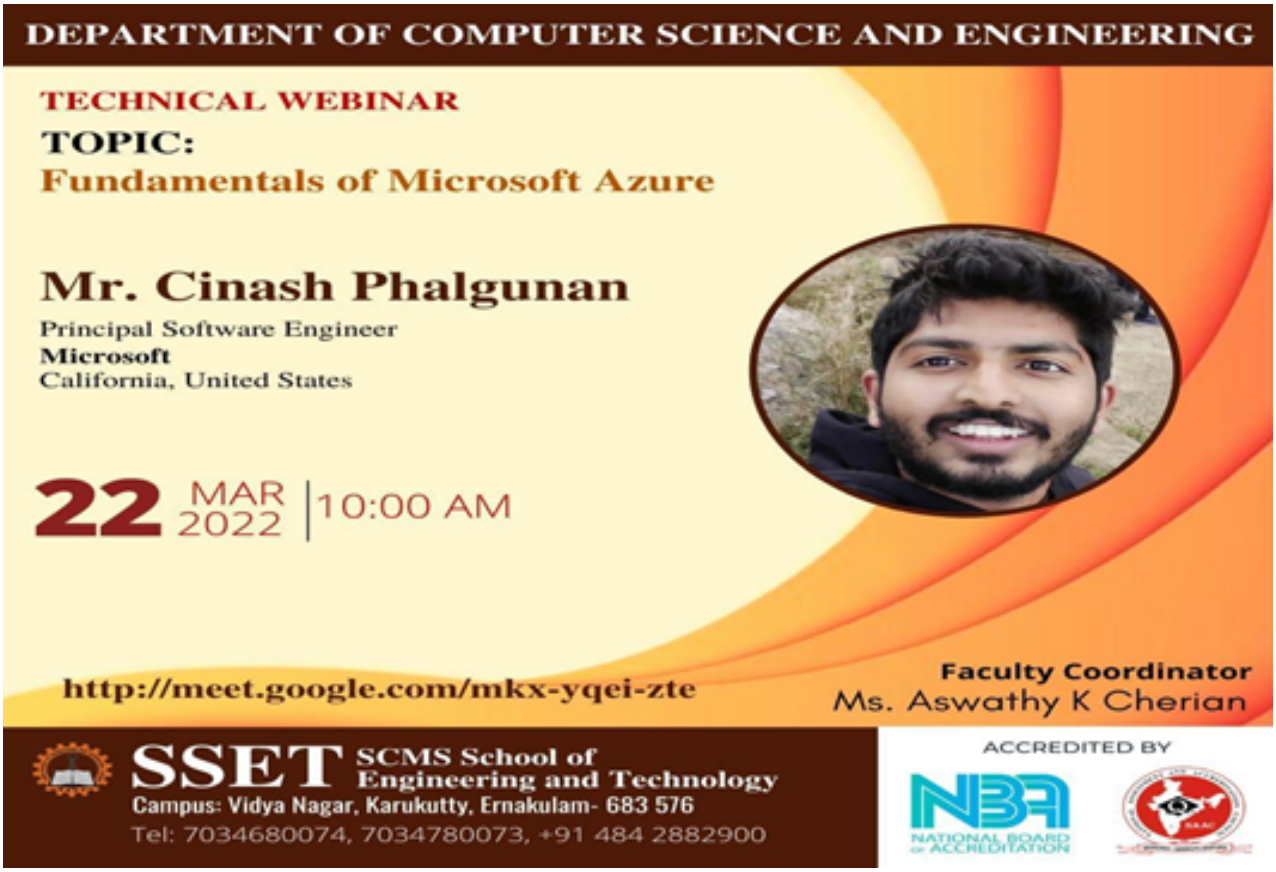
Announced the Academic toppers of Btech Seventh Semester Examination,2021.

Students of the Department and Computer Science and Engineering have secured second prize in the coding competition conducted by SCMS School of Technology and Management.

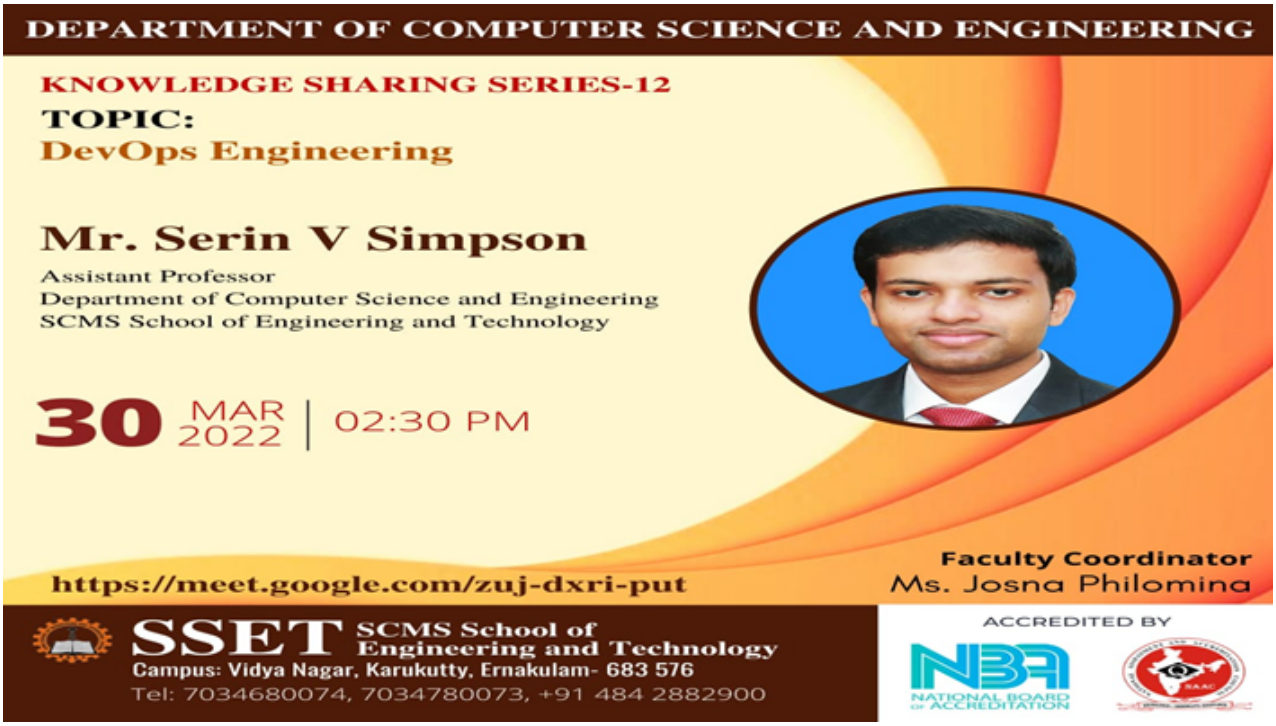
WEBINAR and WORKSHOPS

SSET ACM student Chapter organized a Technical Talk on “Data Science for Beginners” on 21st February.

Department of Computer Science and Engineering is organizing a Technical Webinar on "Fundamentals of Microsoft Azure" on 22nd March 2022 at 10:00 am. The resource person is Mr. Cinash Phalgunan, Principal Software Engineer, Microsoft, USA.



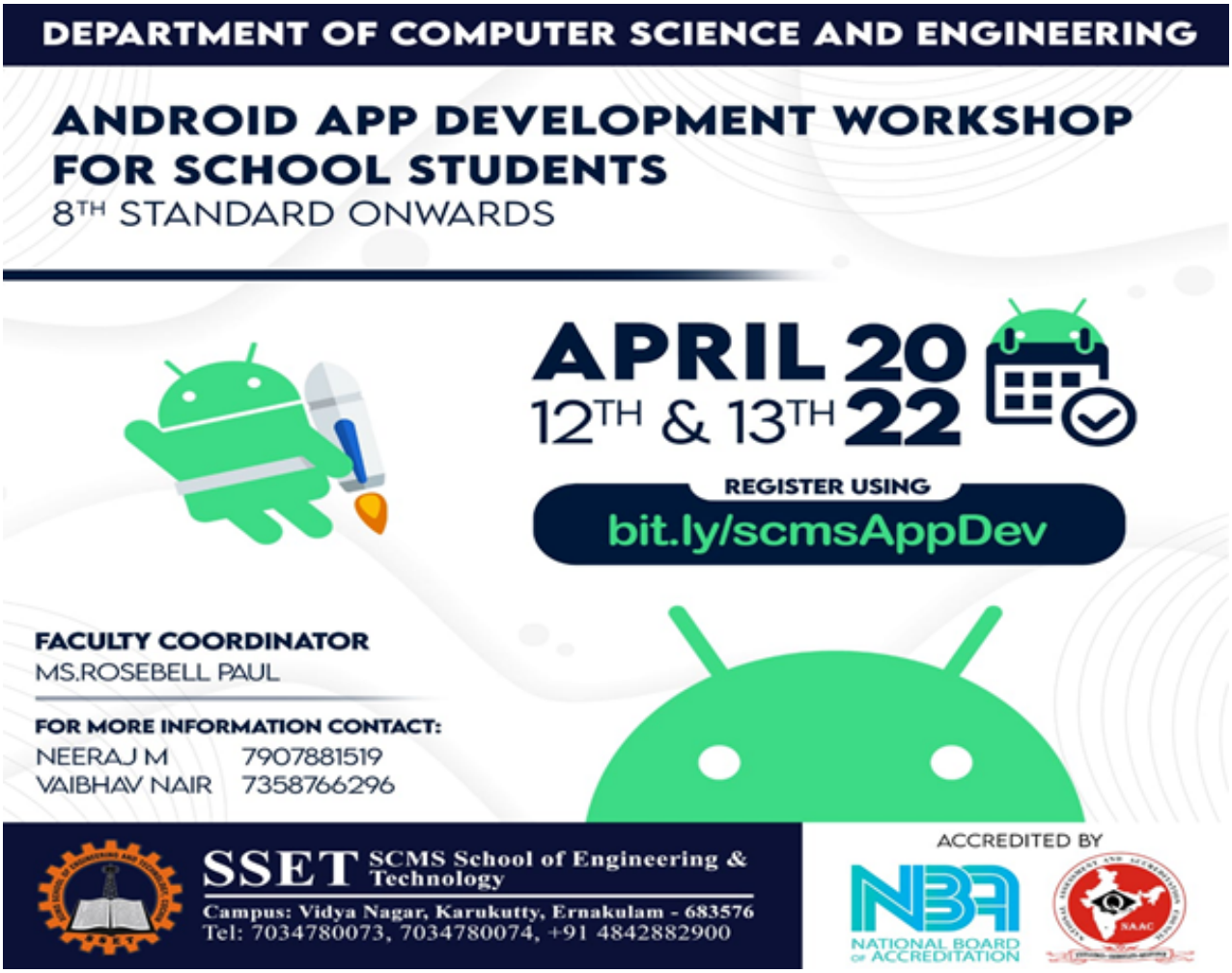
Mr.Serin V Simpson, Assistant professor, CSE Delivered an online KSP session on “DevOps Engineering” on 30 March,2:30 pm.



Department of Computer Science and Engineering, SCMS School of Engineering and Technology, in Association with Crescent Public School, Chalakudy, has organized a session on "Career in Engineering" on 1st April 2022.

Venue: Crescent Public School, Chalakudy
Date: 01-04-2022, Friday.
Time: 08.30 AM - 10.00 AM
Resource Person: Mr. Serin V Simpson, Asst. Prof., Dept. of CSE, SSET
Faculty Coordinator: Ms. Sonal Ayyappan

Department of Computer Science and Engineering has organized an online workshop on “Android App Development “ for school students from 8th grade to 12th grade on April 12th, 2022, and April,13th 2022.



The SSET IEDC in association with the Computer Science Department hosted a workshop ‘NFT EXPOVERSE’ on 9th May 2022 with the active participation of 115 delegates. The session was led by the students of SCMS School Of Engineering and Technology who had prior experience and keen knowledge of the topic, and this provided an opportunity for the speakers to share their knowledge. Ms. Christy Saji opened the meeting with a welcome note followed by an introduction by Mr. Aryan C Rajan at 10 am.

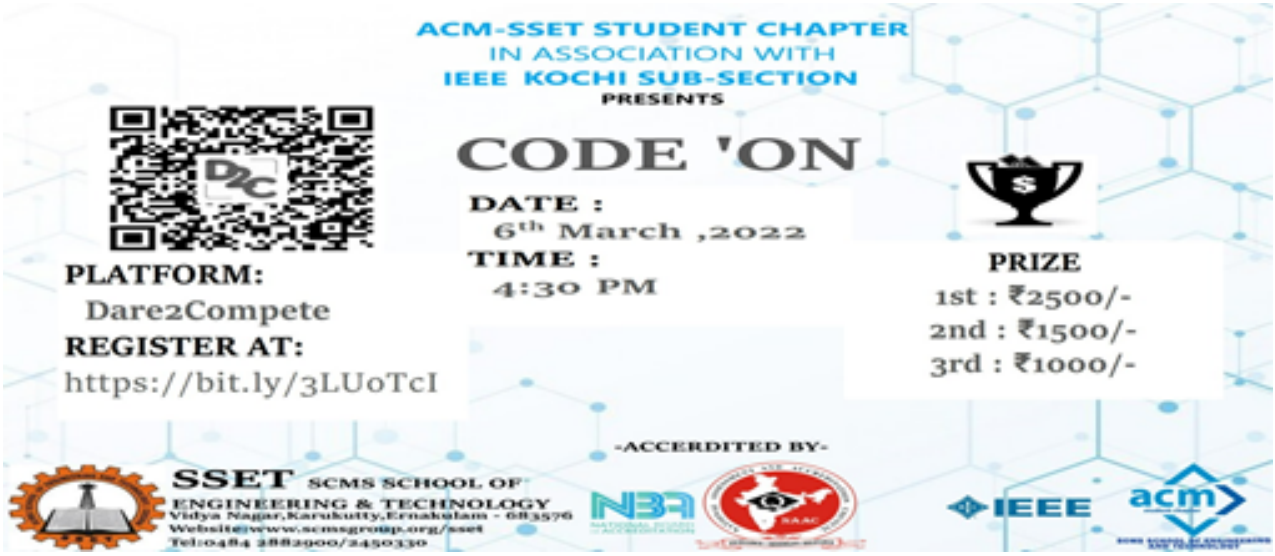
Department of Computer Science and Engineering is organizing a Technical Webinar on "Data Center Virtualization" on 10th May 2022 at 6:00 pm. The resource person was Mr. Hassan K, CTO, of MACOB IT Solutions LLC Dubai. Data center virtualization is the process of designing, developing, and deploying a data center on virtualization and cloud computing technologies.

COMPETITION

Department of Computer Science and Engineering organized“TECHWIZ 22” Interschool Hackathon Winners

Department of Computer Science and Engineering, Arts Club organized a Painting Competition themed “World Water Day” on February 15th 2022.

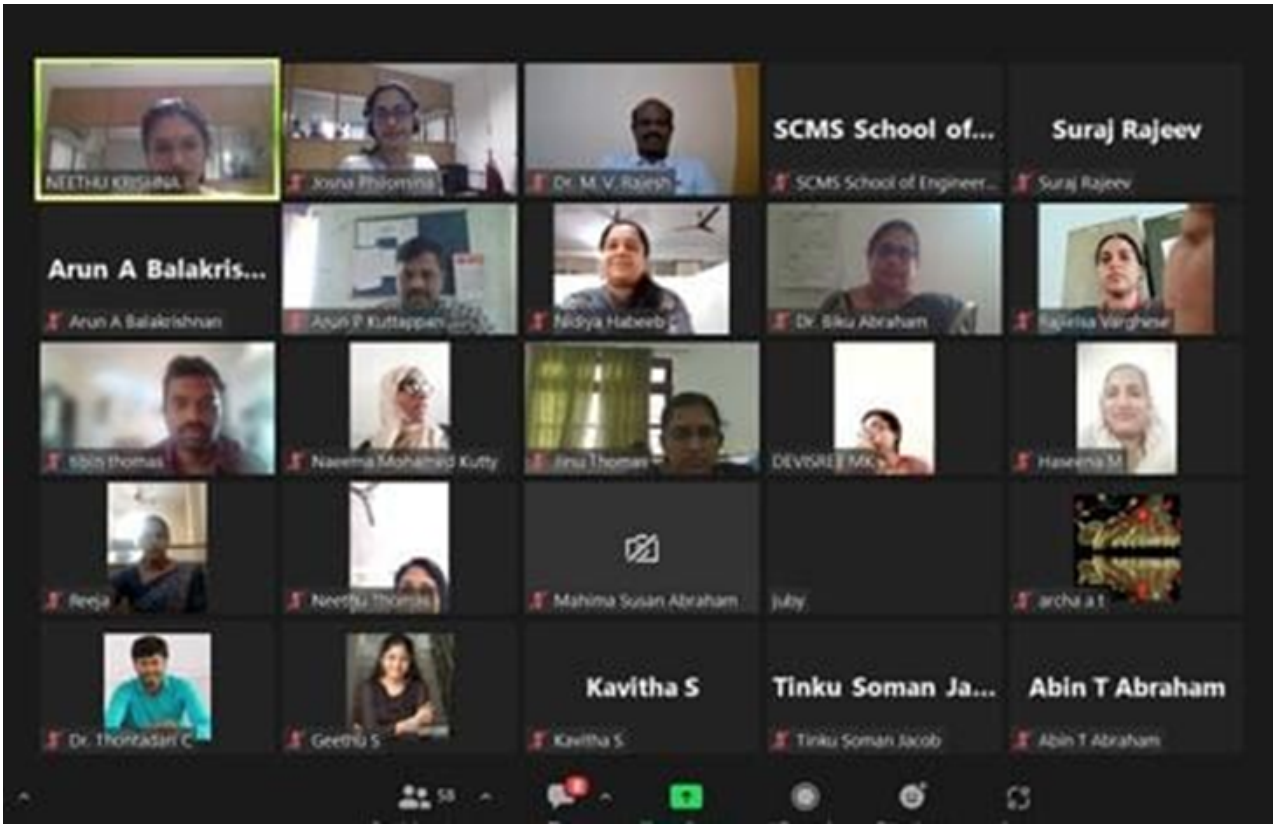
ACM-Student chapter in association with the IEEE-Kochi subsection organized a coding competition titled “CODE ON” on 6th March 2022.



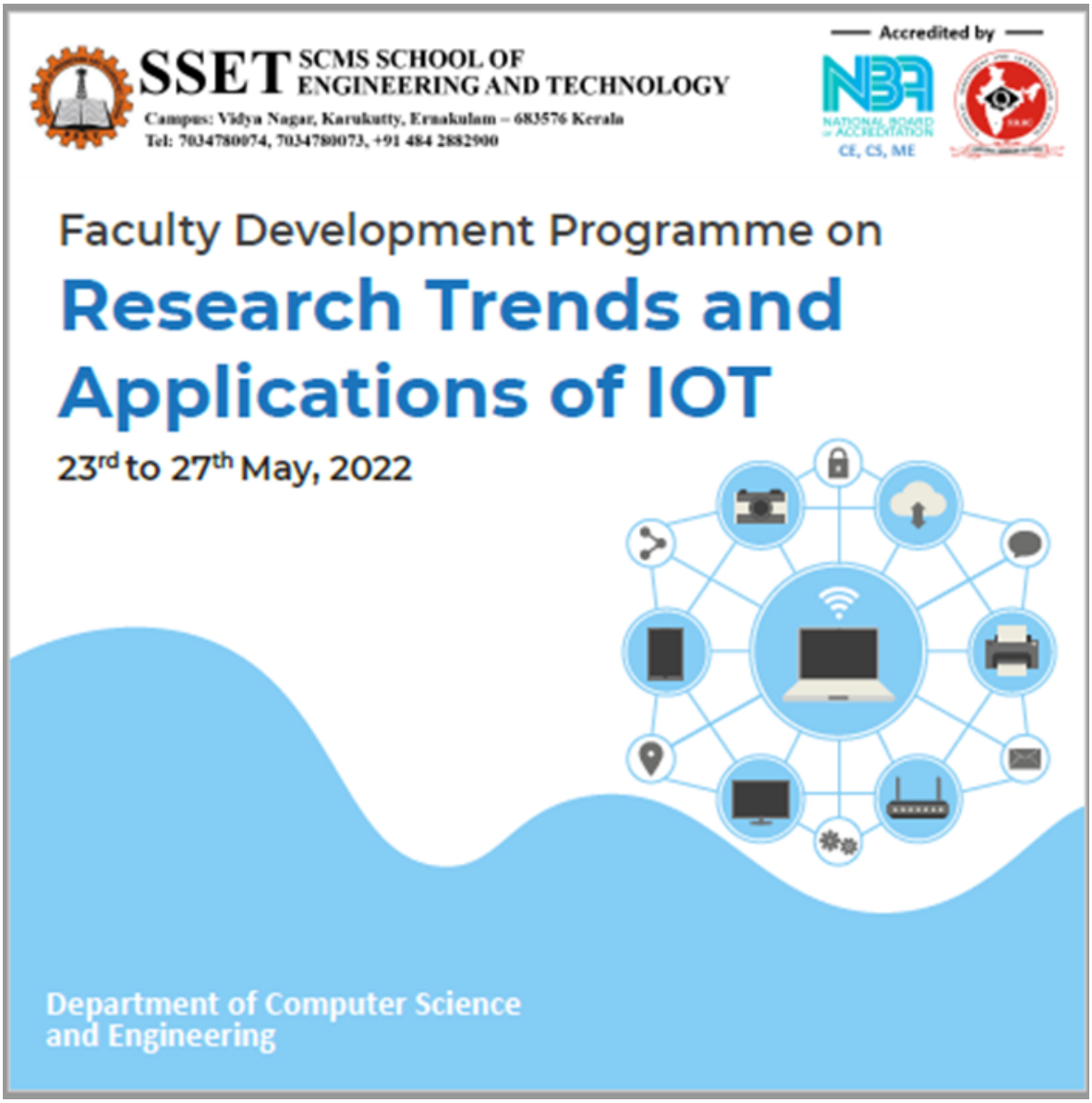
Announced the winners of the Android App Development Contest - The Department of Computer Science and Engineering has organized an online workshop on “Android App Development “ for school students from 8th grade to 12th grade on April 12th, 2022, and April,13th 2022. The faculties of the Computer Science Department conducted an online workshop on “Android Basics for Beginners “. The objective of the workshop was to create an interest in participants on Android applications, their design, and their applicability in the real world. The program gave an insight into the development of mobile applications in detail with real-time examples. The concepts and steps were well-defined and explained in the session. Their participants for the workshop included 60 students from 15 different schools. The sessions were highly interactive with hands-on demos, discussions, and quizzes. The Android App Development Contest and the final evaluation were done on 19th April 2022 by experts from college and industry as well.

FDP

Department of Computer Science and Engineering has organized an online Faculty Development Program on “RESEARCH TRENDS AND APPLICATIONS OF IOT '' from 23/05/2022. The sessions were handled by experts from both Academics and Industry. The FDP focussed on the emerging and recent areas of research, adopted for many applications.



FDP focused on a theoretical approach to describe the fundamentals for beginners as well as a practical approach with the implementation of case studies for intermediate and advanced readers. The Internet of Things (IoT) is an interconnection of several devices, networks, technologies, and human resources to achieve a common goal. A variety of IoT-based applications are being used in different sectors and have succeeded in providing huge benefits to users. As a revolution, IoT overtook the entire global landscape with its presence in almost every sector, including smart cities, smart grids, intelligent transportation, healthcare, education, and so on. This technological revolution also moved to the machines, converting them into intelligent computers that can make real-time decisions and communicate with each other, forming an Internet of Systems/Machines. The use of secure lightweight protocols will help us in developing environment-friendly and energy-efficient IoT systems.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Faculty Development Programme on
Research Trends and Applications of IOT
23rd to 27th May, 2022
Department of Computer Science and Engineering